

# Citizen Washington

## Out Of Gas, by David Goodstein

Assignment: Please define the following on a sheet of paper. Please put the number, the word or phrase to be defined and then the definition. These words are listed in the index at the back of the packet. The definitions pertain to their usage in the book. Do not get them from the dictionary. If it doesn't pertain to the book, it will be marked as not correct.

Absolute Zero	Gasoline	Refinery
Asphalt	Heavy Oil	Semiconductor
Breeder Reactor	Hydroelectric Power	Solar Energy
Calories	Hydrogen Bomb	Speed of Light
Carbon	Kerosene	Superconductor
Carbon Dioxide	Kinetic Energy	Tesla, Nikolas
Chemical Energy	Lead-Acid Battery	Turbine
Climate	Lithium	Watt, James
Combustion	Methane	Wind Power
Electricity	Oil	
El Niño	OPEC	
Energy	Ozone Layer	
Environment	Pharmaceuticals	
Ethanol	Radar	
Entropy	Radiant Energy	

Please write a short 2-3 page essay on **EACH** the following:

### **The Greenhouse Effect**

**Carbon dioxide. Be sure to include where it comes from, the effects on the Earth's environment, the molecular structure, and the storage and use of it.**

### **Energy Conservation**

Answer the following in a few paragraphs each:

**What does the author say about alternative sources? Is he positive or negative in his feelings about future energy resources? Please explain.**

**After Reading this book, what do you think we should do about future energy needs?**

**What is Hubbert's Peak?**

**Do you think we have reached Peak Oil? Please explain.**

**Online Resources. Please cite these resources if you use them.**

**The Greenhouse Effect:**

<http://www.edf.org/page.cfm?tagID=35215&source=ggadgw35215&gclid=COOnYqdWqiKQCFQInbAodSH8pGw>

[http://en.wikipedia.org/wiki/Greenhouse\\_effect](http://en.wikipedia.org/wiki/Greenhouse_effect)

<http://earthguide.ucsd.edu/earthguide/diagrams/greenhouse/> animated guide to understanding the greenhouse effect

<http://environment.nationalgeographic.com/environment/global-warming/gw-overview-interactive.html> more animation from National Geographic

[http://en.wikipedia.org/wiki/Effects\\_of\\_global\\_warming](http://en.wikipedia.org/wiki/Effects_of_global_warming)

**Carbon dioxide**

[http://en.wikipedia.org/wiki/Carbon\\_dioxide](http://en.wikipedia.org/wiki/Carbon_dioxide)

<http://www.epa.gov/climatechange/emissions/co2.html>

[http://www.eoearth.org/article/carbon\\_dioxide](http://www.eoearth.org/article/carbon_dioxide)

**What you can do to conserve energy:**

<http://www.ecomall.com/greenshopping/20things.htm>

<http://ngm.nationalgeographic.com/2009/03/energy-conservation/miller-text>

<http://www.energyconservationinfo.org/>

**Hubbert's Peak:**

<http://www.hubbertpeak.com/>

[http://en.wikipedia.org/wiki/Hubbert\\_peak\\_theory](http://en.wikipedia.org/wiki/Hubbert_peak_theory)

[http://en.wikipedia.org/wiki/Peak\\_oil](http://en.wikipedia.org/wiki/Peak_oil)